

Education

BE, Computer Engineering Don Bosco College of Engineering Fatorda, Goa	Apr 2022 - May 2025 CGPA: 7.00
Diploma, Computer Engineering Agnel Polytechnic Verna, Goa	Jan 2019 - Mar 2022 CGPA: 8.00

Work Experience

Hexcoderz, Vasco da Gama - Goa (Intern-Full stack Developer) <ul style="list-style-type: none"><li>Developed proficiency in UI/UX fundamentals, Figma, HTML, CSS, and JavaScript.</li></ul>	Sep 2021 - Nov 2021 Project lead
Club Mahindra Resort, Varca Beach - Goa (Intern-Full stack Developer) <ul style="list-style-type: none"><li>Improved and maintained hotel guest wireless networks for smooth operation.</li></ul>	Jun 2022 - Jul 2022 Network Administrator
YUVA Website - Goa (Full stack Developer) <ul style="list-style-type: none"><li>Led the design and development of the website</li><li>Designed and integrated a dashboard to manage content on the website</li></ul>	Apr 2024 - May 2024 Project lead

Projects

Axon <ul style="list-style-type: none"><li>Enables users to submit Study material to generate a quiz of minimum 10 questions, this allows the user to benchmark themselves to know how much they have studied.</li><li>Leveraged GPU Acceleration to speed up response time by 88% (from 50s to 6s)</li><li>Integrated a RAG system, users can ask questions to the document and axon will reply with the most correct and suitable answer from the documents.</li></ul> <a href="https://github.com/ryzxxn/Axon">https://github.com/ryzxxn/Axon</a>
LeafSync <ul style="list-style-type: none"><li>Engineered a SQL database management tool which allowed me to make and view updates to my Database in real time, ensuring a Seamless user experience.</li><li>Achieved efficient CPU usage (0.3%) and optimized RAM usage (30-90MB) for enhanced performance.</li><li>Rendering and state-dependent views loads in an instant (90% faster then something like PhpMyAdmin)</li></ul> <a href="https://github.com/ryzxxn/LeafSync/">https://github.com/ryzxxn/LeafSync/</a>
Personal Image Storage <ul style="list-style-type: none"><li>Implemented Images/Gifs storage and delivery using the imgBB API for over 10+ users.</li><li>Unlimited Storage, upload up to 32mb/image enough for 90% of images captured by modern camera devices.</li><li>Extended it Privacy and security by implementing Google Authentication</li></ul> <a href="https://pis.netlify.app/">https://pis.netlify.app/</a>
Machine learning Digit Classifier (trained a machine learning model to recognize numbers in my handwriting) <ul style="list-style-type: none"><li>Trained a machine learning model using keras and tensorflow to recognize handwritten digits</li></ul> <a href="https://ai-nr.netlify.app/">https://ai-nr.netlify.app/</a>

Skills

Programming Languages: C/C++, Javascript, HTML, CSS, Typescript, Python, PHP, SQL, NoSQL, Shell
Concepts: Data Structures and Algorithms, Database Management & Design, System Design, AI/ML, API, Data Analysis and Visualization
Technologies: React, Express, Next.js, Tensorflow, Keras, PyTorch, Three.js, NumPy, Langchain, Flask, Node.js, Websocket, Github, CI/CD, Linux, MongoDB, PostgreSQL, Firebase, React Native, SSH/CLI, Docker, Figma, AWS, LLM, NLP

Achievements

memory-state(State-management npm library) <ul style="list-style-type: none"><li>Published a npm package in javascript that allows users to Manage, Call, Pass and Clear Memory states that can be used within your application.</li><li>Easy to install by using npm package manager, User friendly syntax.</li><li>Downloaded and used by more than 500 users.</li></ul> <a href="https://www.npmjs.com/package/memory-state">https://www.npmjs.com/package/memory-state</a>
Project Exhibition <ul style="list-style-type: none"><li>Runner up for a project exhibition, where we displayed our project evergreen (plant, and essentials e-commerce platform),This netted us the attention of a few founder of startup that we later collaborated on how we could play a crucial role in bridging the gap between clients and suppliers by providing a platform to showcase their trades</li></ul>
Contributed to <a href="https://github.com/katanaml/llm-mistral-invoice-cpu">https://github.com/katanaml/llm-mistral-invoice-cpu</a> <ul style="list-style-type: none"><li>Integrated accessibility and ease of use by replacing CLI (Command Line Interface) with an API</li></ul>
Hackathon (24h) <ul style="list-style-type: none"><li>Participated in a Hackathon at Goa College of Engineering Where I first worked on Axon,This gave me a great perspective on Time management, how to work in a team, Adapt to new technologies and defining clear Goals and working relentlessly to achieve them</li></ul>